

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/887,552A

254
0503 OIPE
CRF Processing Date: 5/22/2002
Edited by:
Verified by: (STIC staff) # 8

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☒ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

***Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95



OIPE

RAW SEQUENCE LISTING DATE: 05/22/2002
 PATENT APPLICATION: US/09/887,552A TIME: 17:15:50

Input Set : A:\PT0.AMC.txt
 Output Set: N:\CRF3\05222002\I887552A.raw

```

4 <110> APPLICANT: Brennan, Thomas J.
5   Leviten, Michael W.
7 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CERBERUS GENE
8   DISRUPTIONS
10 <130> FILE REFERENCE: R-67
12 <140> CURRENT APPLICATION NUMBER: US 09/887,552A
13 <141> CURRENT FILING DATE: 2001-06-21
15 <150> PRIOR APPLICATION NUMBER: US 60/213,670
16 <151> PRIOR FILING DATE: 2000-06-21
18 <150> PRIOR APPLICATION NUMBER: US 60/266,046
19 <151> PRIOR FILING DATE: 2001-02-01
21 <150> PRIOR APPLICATION NUMBER: US 60/282,668
22 <151> PRIOR FILING DATE: 2001-04-09
24 <160> NUMBER OF SEQ ID NOS: 4
26 <170> SOFTWARE: FastSeq for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 1752
30 <212> TYPE: DNA
31 <213> ORGANISM: Mus musculus
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: 1235, 1313
36 <223> OTHER INFORMATION: n = A,T,C or G
38 <400> SEQUENCE: 1
39 gggggggggg ggggtcagag ggagctttct tttaggcccg tccatctgtg aatctaacct 60
40 cagtttctgg gaatcaggaa gcatgcatct cctcttagtt cagctgcttg ttctcttgcc 120
41 tctgggggaag gcagacctat gtgtggatgg ctgccagagt cagggtctct tatcctttcc 180
42 tctcctagaa aggggtcgca gagatctcca cgtggccaac cagcaggagg cagaagacaa 240
43 gccgcatctg ttgtgtgccg tgccacacct catgggcacc agcctgctgt gggaaggcca 300
44 gaggcagaga gggaagatgc tgtccaggct tggaaagattc tggaagaaac ctgagaccga 360
45 attttacccc ccaagggatg tggaaagcga tcatgtctca tcgggggatgc aggcgctgac 420
46 tcagccagca gatggggagga aagtggagag atcacctcta caggagggaag ccaagagggt 480
47 ctggcatcgg ttcattgttca gaaagggcc cgcgttccag ggagtcattc tgcccatcaa 540
48 aaagccagaa gtacactggg agacctgcag gactgtgcc ttcaaccaga ccattgccca 600
49 tgaagactgt caaaaagtgc ttgtccagaa caacctttgc ttggcgaat gcagttccat 660
50 tctgttttccc ggagaagggg cagatgccca cagcttctgc tcccactgct cgcaccacaa 720
51 atcaccaacc gtgcacttga tgcgtgaactg caccagccca acccccgctg tcaagatggt 780
52 gatgcaagta gaagagtgtc agtgcatggt gaagacggaa cgtggagagg agcgctctct 840
53 actgctggtt tcccagggtt ccttcattcc tggacttcca gcttcaaaaa caaacccatg 900
54 aattacctca acagaaagca aaacctcaac agaataagtg agggttattc aatctggaaa 960
55 tgttatgtga gttatataaa gatcagtgga aatatcttt ctctctctct ctctctctct 1020
56 ctctctctct tctattttct ctctctctct ctctctctct ctctctctca 1080
57 cacacacaca cacacacaca cacacacaca catgtttgtg tttagacagg gtcttatgta 1140

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/887,552A

DATE: 05/22/2002
 TIME: 17:15:50

Input Set : A:\PTO.AMC.txt
 Output Set: N:\CRF3\05222002\I887552A.raw

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58 ttctcagctg gcctcaaaact cacaatgtgg ctggggatga ttttaaactc ctgatccaat 1200
59 tctctgagtg tgggattaca gacatgctcc ataanaacata gctccacagaa ggatttttaa 1260
60 aagagatttt gcatgtttca aagttgcctt tgagactcag aaatattttg atntattgaa 1320
61 tggccttgcc acagatgtgg gaggcagctt gcttggtggc ccaagtattt ttttttggtt 1380
62 cgttcagaat tctccacatg aagtttttac tgttggttat ctggcgttga agaaggaata 1440
63 gtgaaggtac ttttaacagt ttacacgtgg aaggggctca ggcaactagga accaactctt 1500
64 tcccggaata tgaggaaaat acatgaacag tattagagtc acttgaggaa gtactatagga 1560
65 aacgccataa gtctccaagt acattgtgag tcattttgaa ggacaatcgt gtatatagac 1620
66 gaaatcttct actcgtatgc ttttgaatct tctagcaagt taggtttcta tgtttgggct 1680
67 tcttctatt gtctaagagt atgtgtgaca aattcaacct gacaaatacc tcaatggcaa 1740
68 attctgaccc tg 1752
70 <210> SEQ ID NO: 2
71 <211> LENGTH: 272
72 <212> TYPE: PRT
73 <213> ORGANISM: Mus musculus
75 <400> SEQUENCE: 2
76 Met His Leu Leu Leu Val Gln Leu Leu Val Leu Leu Pro Leu Gly Lys
77 1 5 10 15
78 Ala Asp Leu Cys Val Asp Gly Cys Gln Ser Gln Gly Ser Leu Ser Phe
79 20 25 30
80 Pro Leu Leu Glu Arg Gly Arg Arg Asp Leu His Val Ala Asn His Glu
81 35 40 45
82 Glu Ala Glu Asp Lys Pro Asp Leu Phe Val Ala Val Pro His Leu Met
83 50 55 60
84 Gly Thr Ser Leu Ala Gly Glu Gly Gln Arg Gln Arg Gly Lys Met Leu
85 65 70 75 80
86 Ser Arg Leu Gly Arg Phe Trp Lys Lys Pro Glu Thr Glu Phe Tyr Pro
87 85 90 95
88 Pro Arg Asp Val Glu Ser Asp His Val Ser Ser Gly Met Gln Ala Val
89 100 105 110
90 Thr Gln Pro Ala Asp Gly Arg Lys Val Glu Arg Ser Pro Leu Gln Glu
91 115 120 125
92 Glu Ala Lys Arg Phe Trp His Arg Phe Met Phe Arg Lys Gly Ala Pro
93 130 135 140
94 Phe Gln Gly Val Ile Leu Pro Ile Lys Ser His Glu Val His Trp Glu
95 145 150 155 160
96 Thr Cys Arg Thr Val Pro Phe Asn Gln Thr Ile Ala His Glu Asp Cys
97 165 170 175
98 Gln Lys Val Val Val Gln Asn Asn Leu Cys Phe Gly Lys Cys Ser Ser
99 180 185 190
100 Ile Arg Phe Pro Gly Glu Gly Ala Asp Ala His Ser Phe Cys Ser His
101 195 200 205
102 Cys Ser Pro Thr Lys Phe Thr Thr Val His Leu Met Leu Asn Cys Thr
103 210 215 220
104 Ser Pro Thr Pro Val Val Lys Met Val Met Gln Val Glu Glu Cys Gln
105 225 230 235 240
106 Cys Met Val Lys Thr Glu Arg Gly Glu Glu Arg Leu Leu Leu Ala Gly
107 245 250 255
108 Ser Gln Gly Ser Phe Ile Pro Gly Leu Pro Ala Ser Lys Thr Asn Pro

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/887,552A

DATE: 05/22/2002

TIME: 17:15:50

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\05222002\I887552A.raw

```

109          260          265          270
112 <210> SEQ ID NO: 3
113 <211> LENGTH: 200
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Targeting vector
120 <400> SEQUENCE: 3
121 tccatctgtg aatetaacct cagtctctgg gaatcaggaa gcatgcatct cctcttagtt 60
122 cagctgcttg ttctcttgcc tctggggaag gcagacctat gtgtggatgg ctgccagagt 120
123 cagggtcttt tatectttcc tctcccagaa aggggtcgca gagatctcca cgtggccaac 180
124 cagaggaggg cagaagacaa                200
126 <210> SEQ ID NO: 4
127 <211> LENGTH: 200
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Targeting vector
134 <400> SEQUENCE: 4
135 cctgcccatc aaaagccagc aagtacactg ggagacctgc aggactgtgc ccttcaacca 60
136 ggtatgcatt ctaggggta aaccaccagt ttgccagaca gggaggacag ctggacagct 120
137 aggacaaacg gcaaaataga aagagtctgg cgagagctcg ggccttgtct agttccagat 180
138 tcagtccttt gggatttcatt                200

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/887,552A

DATE: 05/22/2002
TIME: 17:15:51

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\05222002\I887552A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1235,1313



OIPE

RAW SEQUENCE LISTING DATE: 05/13/2002
 PATENT APPLICATION: US/09/887,552A TIME: 16:48:26

Input Set : A:\R-67 Sequence listing for submission.txt
 Output Set: N:\CRF3\05132002\I887552A.raw

**Does Not Comply
 Corrected Diskette Needed**

4 <110> APPLICANT: Brennan, Thomas J.
 5 Leviten, Michael W.
 7 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING CERBERUS GENE
 8 DISRUPTIONS
 10 <130> FILE REFERENCE: R-67
 12 <140> CURRENT APPLICATION NUMBER: US 09/887,552A
 C--> 13 <141> CURRENT FILING DATE: 2002-04-30
 15 <150> PRIOR APPLICATION NUMBER: US 60/213,670
 16 <151> PRIOR FILING DATE: 2000-06-21
 18 <150> PRIOR APPLICATION NUMBER: US 60/266,046
 19 <151> PRIOR FILING DATE: 2001-02-01
 21 <150> PRIOR APPLICATION NUMBER: US 60/282,668
 22 <151> PRIOR FILING DATE: 2001-04-09
 24 <160> NUMBER OF SEQ ID NOS: 4
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0

ERRORED SEQUENCES

126 <210> SEQ ID NO: 4
 127 <211> LENGTH: 200
 128 <212> TYPE: DNA
 129 <213> ORGANISM: Artificial Sequence
 131 <220> FEATURE:
 132 <223> OTHER INFORMATION: Targeting vector
 134 <400> SEQUENCE: 4
 135 cctgcccatc aaaagccacg aagtacactg ggagacctgc aggactgtgc cottcaacca 60
 136 ggtatgcatt ctatagggta aaccaccagt ttgccagaca gggaggacag ctggacagct 120
 137 aggacaaacg gcaaaataga aagagtctgg cgagagctgc ggccttgtct agttccagat 180
 138 tcagtccttt ggytattcat 200
 E--> 142 (1)

VERIFICATION SUMMARY

DATE: 05/13/2002

PATENT APPLICATION: US/09/887,552A

TIME: 16:48:27

Input Set : A:\R-67 Sequence listing for submission.txt

Output Set: N:\CRF3\05132002\I887552A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1200
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:1260
L:142 M:254 E: No. of Bases conflict, this line has no nucleotides.